

Teenage Driver Crashes

Section 4: Teenage Driver Crashes

Teenage Driver 2006 Fact Sheet 63-64

Trends

Teenage Driver Crashes 1997-200665

Counties

Teenage Driver Crashes by County66

Characteristics of Persons Involved

Seatbelt Use.....67

Number of Occupants in Teen Driven Vehicles.....67

Driver Characteristics

Gender68

Alcohol and Other Drug Involvement.....68

Driver Age69

Crash Characteristics

Crash Severity.....70

Month of Year.....70

Day of Week.....71

Hour of Day72

Urban/Rural Location73

Vehicle Type.....73

First Harmful Event.....74

Collision Description.....75

Vehicle Maneuver.....75

Speed Limit.....76

Travel Speed.....76

Violations.....77

Contributing Factors78

2

0

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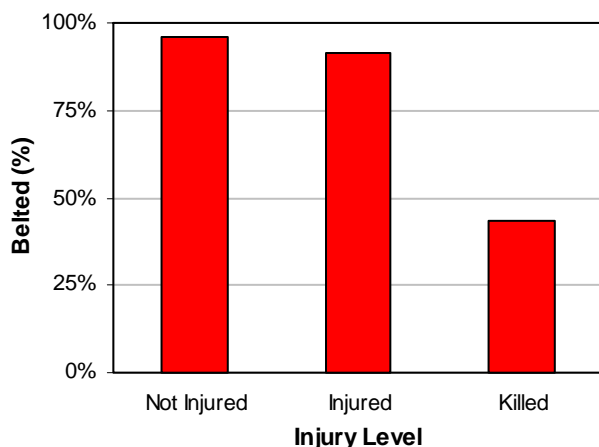
TEENAGE DRIVERS (15-19 YEARS)



Did you know in 2006:

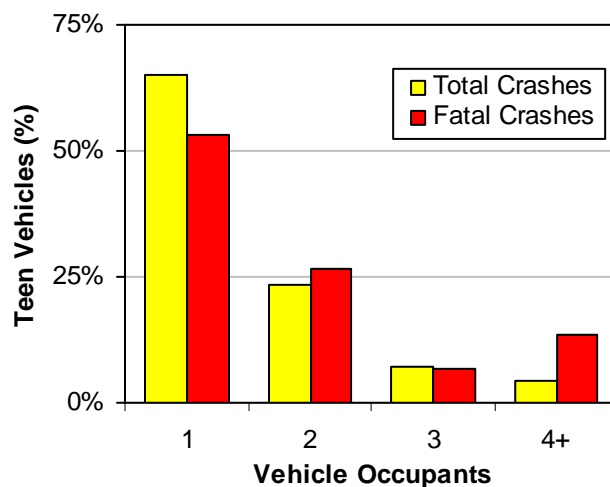
- Teenage drivers represented 8% of the licensed drivers in Utah, yet they were in over one-quarter (26%) of all motor vehicle crashes.
- Teenage drivers were in 14,398 motor vehicle crashes which resulted in 7,817 injured persons and 49 deaths.
- Approximately one out of six (17%) fatal crashes in Utah involved a teenage driver.
- A teenage driver crash occurred in Utah every 36 minutes.

Seatbelt Use of Teen Drivers and Their Passengers (Utah 2006)



- Three out of five (57%) teen drivers and their passengers killed in crashes were unbelted.
- Teen drivers and their passengers that were unbelted were 22 times more likely than belted occupants to be killed in a crash.

Number of Occupants in Teenage-Driven Vehicles (Utah 2006)



- Crashes where the teenage driven vehicle contained four or more occupants were 3.4 times more likely to be fatal than crashes involving teenage driven vehicles with fewer occupants.

Leading Collision Descriptions of Teenage Driver Crashes (Utah 2006)

All Teenage Driver Crashes

1. Rear End (38%)
2. Broadside (34%)
3. Sideswipe (12%)

Fatal Teenage Driver Crashes

1. Single Vehicle Rollover (30%)
2. Broadside (21%)
3. Head On (16%)



Leading Contributing Factors of Teenage Driver Crashes (Utah 2006)

All Teenage Driver Crashes

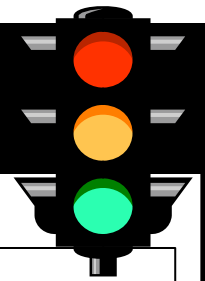
1. Failed to Yield Right of Way (15%)
2. Followed Too Closely (13%)
3. Speed Too Fast (10%)
4. Driver Distraction (10%)
5. Defective Condition of Vehicle (4%)

Fatal Teenage Driver Crashes

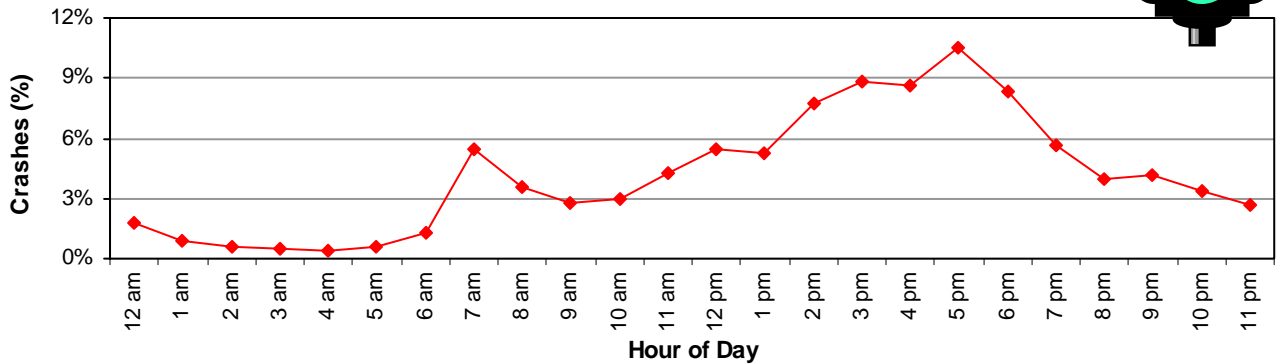
1. Reckless/Aggressive Driving (36%)
2. Speed Too Fast (19%)
3. Driver Distraction (9%)
4. Improper Passing (6%)
4. Failed to Yield Right of Way (6%)



TEENAGE DRIVERS (15-19 YEARS)



Teenage Driver Crashes by Time of Day (Utah 2006)



- Teenage-driver crashes peaked during after-school hours (2:00 p.m.-6:00 p.m.).

Gender of Teenage Drivers in Crashes (Utah 2006)



- The majority of teen drivers in all motor vehicle crashes (54%) and fatal crashes (76%) were male. Male teen drivers were 2.7 times more likely to be in a fatal crash than females.

Graduated Driver Licensing Law in Utah

Graduated Driver Licensing allows beginning drivers the chance to build experience before they are exposed to more high-risk situations, such as carrying teen passengers and nighttime driving. Easing young drivers onto the roadways by controlling their exposure to progressively more difficult driving experiences can reduce the number of traffic crashes involving young drivers.

Learner Permit

If a person is at least 15 years old, he or she may apply for a learner permit. An applicant who is under 18 years of age is required to hold a learners permit for six months before applying for a license.

Supervised Driving

All individuals under 18 years of age applying for a first time license must complete 40 hours of driving, of which at least 10 hours must be during night hours. This allows beginning drivers to practice and gain supervised experience.

Driver License

A person must be at least 16 years of age to get a driver license. All individuals who have never been licensed to drive a motor vehicle must complete an approved driver education course.

Night-time Restrictions

Anyone under the age of 17 years may not drive from midnight to 5:00 AM except in a limited number of situations. The majority of fatal teen crashes take place at night.

Passenger Restrictions

For the first six months of licensure, teen drivers can not drive with any passenger who is not an immediate family member with a few exceptions. Teen drivers are more likely to crash with passengers in the car, especially teen passengers. The more passengers, the greater the risk.

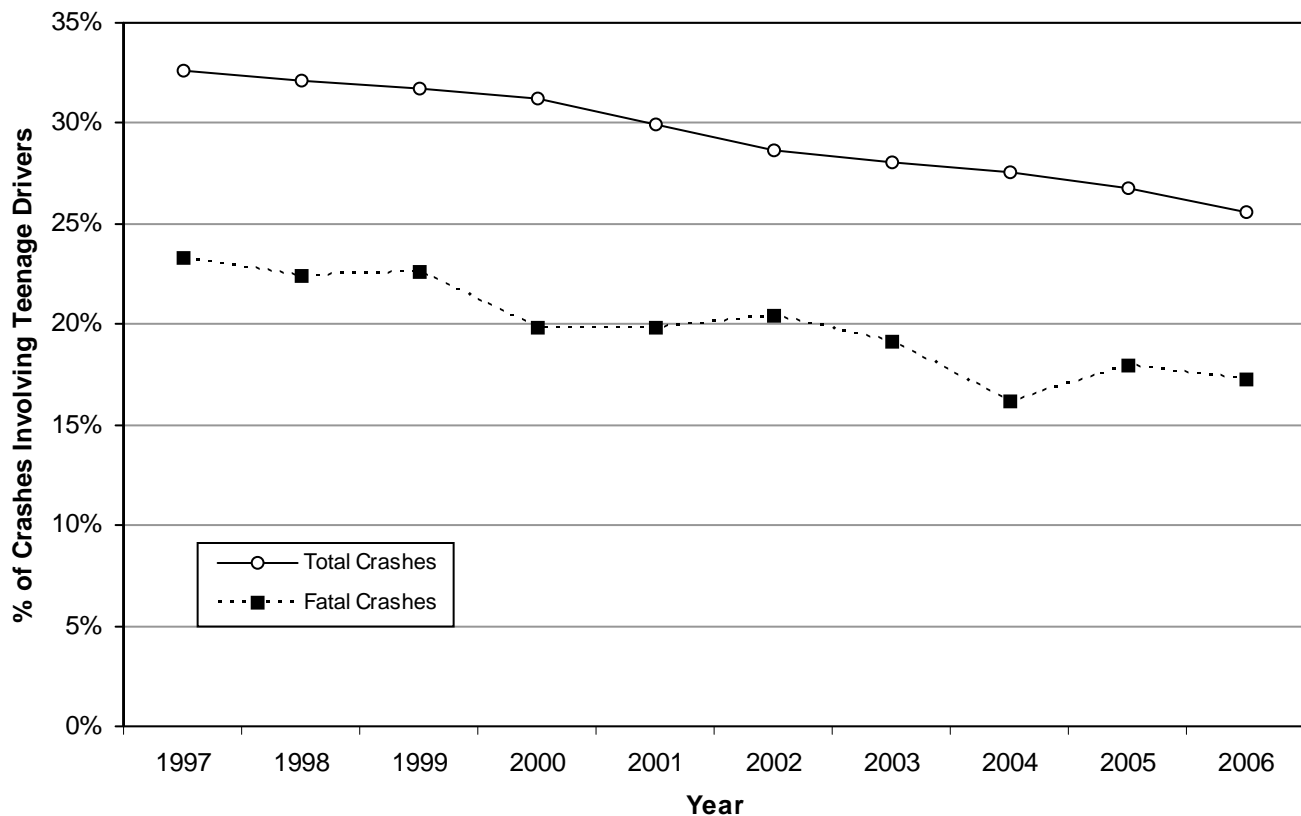
Seatbelt Restrictions

All occupants under the age of 19 years must be properly restrained in a motor vehicle. This is a primary law which means a person may be stopped by a law enforcement officer solely for that offense.

Trends

Teenage Driver Crashes (Utah 1997-2006)

Teenage Driver Crashes												
	Property Damage Only			Injury			Fatal			Total		
		Teen	Teen		Teen	Teen		Teen	Teen		Teen	Teen
	All	Driver	Driver	All	Driver	Driver	All	Driver	Driver	All	Driver	Driver
Year	#	#	%	#	#	%	#	#	%	#	#	%
1997	33,512	11,018	32.9%	21,131	6,851	32.4%	309	72	23.3%	54,952	17,941	32.6%
1998	34,337	10,916	31.8%	19,427	6,377	32.8%	308	69	22.4%	54,072	17,362	32.1%
1999	32,971	10,406	31.6%	19,513	6,281	32.2%	318	72	22.6%	52,802	16,759	31.7%
2000	33,269	10,252	30.8%	19,564	6,263	32.0%	318	63	19.8%	53,151	16,578	31.2%
2001	33,113	9,686	29.3%	19,332	6,006	31.1%	258	51	19.8%	52,703	15,743	29.9%
2002	33,542	9,478	28.3%	19,552	5,776	29.5%	274	56	20.4%	53,368	15,310	28.7%
2003	31,842	8,807	27.7%	18,285	5,321	29.1%	262	50	19.1%	50,389	14,178	28.1%
2004	34,222	9,397	27.5%	19,423	5,431	28.0%	260	42	16.2%	53,905	14,870	27.6%
2005	35,158	9,225	26.2%	19,545	5,434	27.8%	235	42	17.9%	54,938	14,701	26.8%
2006	37,749	9,427	25.0%	18,189	4,928	27.1%	249	43	17.3%	56,187	14,398	25.6%
Total	339,715	98,612	29.0%	193,961	58,668	30.2%	2,791	560	20.1%	536,467	157,840	29.4%



- Teenage drivers (aged 15-19 years) are a special concern because of their high crash rates and lack of driving experience.
- The 10-year trend shows that 29.4% of all crashes in Utah involved a teenage driver with a decreasing trend since 1997.
- Fatal teenage driver crashes have also shown a decreasing trend. In 1997 the percentage of fatal teenage driver crashes was 23.3% and reached a low in 2004 of 16.2%.

Counties

Teenage Driver Crashes by County (Utah 2006)

Teenage Driver Crashes												
	Property Damage Only			Injury			Fatal			Total		
		Teen	Teen		Teen	Teen		Teen	Teen		Teen	Teen
	All	Driver	Driver	All	Driver	Driver	All	Driver	Driver	All	Driver	Driver
County	#	#	%	#	#	%	#	#	%	#	#	%
Sanpete	243	74	30.5%	130	41	31.5%	3	1	33.3%	376	116	30.9%
Cache	1,358	401	29.5%	542	178	32.8%	12	4	33.3%	1,912	583	30.5%
Davis	3,703	1,070	28.9%	1,784	585	32.8%	13	2	15.4%	5,500	1,657	30.1%
Washington	1,710	506	29.6%	896	280	31.3%	19	3	15.8%	2,625	789	30.1%
Utah	5,142	1,461	28.4%	2,697	825	30.6%	26	4	15.4%	7,865	2,290	29.1%
Weber	3,136	912	29.1%	1,776	516	29.1%	12	4	33.3%	4,924	1,432	29.1%
Salt Lake	16,011	3,835	24.0%	7,737	1,920	24.8%	65	10	15.4%	23,813	5,765	24.2%
Uintah	501	125	25.0%	206	44	21.4%	7	2	28.6%	714	171	23.9%
Iron	672	146	21.7%	314	86	27.4%	9	2	22.2%	995	234	23.5%
Box Elder	538	113	21.0%	264	69	26.1%	8	0	0.0%	810	182	22.5%
Tooele	601	126	21.0%	289	72	24.9%	12	1	8.3%	902	199	22.1%
Emery	203	36	17.7%	97	24	24.7%	5	1	20.0%	305	61	20.0%
Duchesne	315	57	18.1%	103	26	25.2%	7	1	14.3%	425	84	19.8%
Rich	45	4	8.9%	25	10	40.0%	1	0	0.0%	71	14	19.7%
Wasatch	497	95	19.1%	158	33	20.9%	4	0	0.0%	659	128	19.4%
Wayne	37	7	18.9%	25	5	20.0%	0	0	0.0%	62	12	19.4%
Sevier	348	68	19.5%	161	29	18.0%	6	2	33.3%	515	99	19.2%
Carbon	361	64	17.7%	115	21	18.3%	4	2	50.0%	480	87	18.1%
Juab	266	42	15.8%	101	25	24.8%	3	0	0.0%	370	67	18.1%
Morgan	109	18	16.5%	40	7	17.5%	0	0	0.0%	149	25	16.8%
Millard	293	42	14.3%	128	28	21.9%	6	1	16.7%	427	71	16.6%
Summit	872	128	14.7%	278	58	20.9%	8	1	12.5%	1,158	187	16.1%
Beaver	152	21	13.8%	63	12	19.0%	2	0	0.0%	217	33	15.2%
Grand	112	19	17.0%	96	11	11.5%	2	0	0.0%	210	30	14.3%
San Juan	178	23	12.9%	57	7	12.3%	7	1	14.3%	242	31	12.8%
Kane	172	17	9.9%	40	9	22.5%	6	1	16.7%	218	27	12.4%
Piute	28	3	10.7%	16	2	12.5%	1	0	0.0%	45	5	11.1%
Garfield	108	11	10.2%	38	4	10.5%	1	0	0.0%	147	15	10.2%
Daggett	38	3	7.9%	13	1	7.7%	0	0	0.0%	51	4	7.8%
Statewide	37,749	9,427	25.0%	18,189	4,928	27.1%	249	43	17.3%	56,187	14,398	25.6%

- Overall, Sanpete (30.9%), Cache (30.5%), Davis (30.1%), and Washington (30.1%) counties had the highest percentages of crashes involving a teenage driver.
- Carbon (50.0%), Cache (33.3%), Weber (33.3%), Sevier (33.3%), and Sanpete (33.3%) counties had the highest percentages of fatal crashes involving a teenage driver.
- Overall, Daggett (7.8%), Garfield (10.2%), and Piute (11.1%) counties had the lowest percentages of crashes involving a teenage driver.
- Statewide, teenage driver crashes represented 25.6% of all crashes and 17.3% of all fatal crashes.

Characteristics of Persons Involved

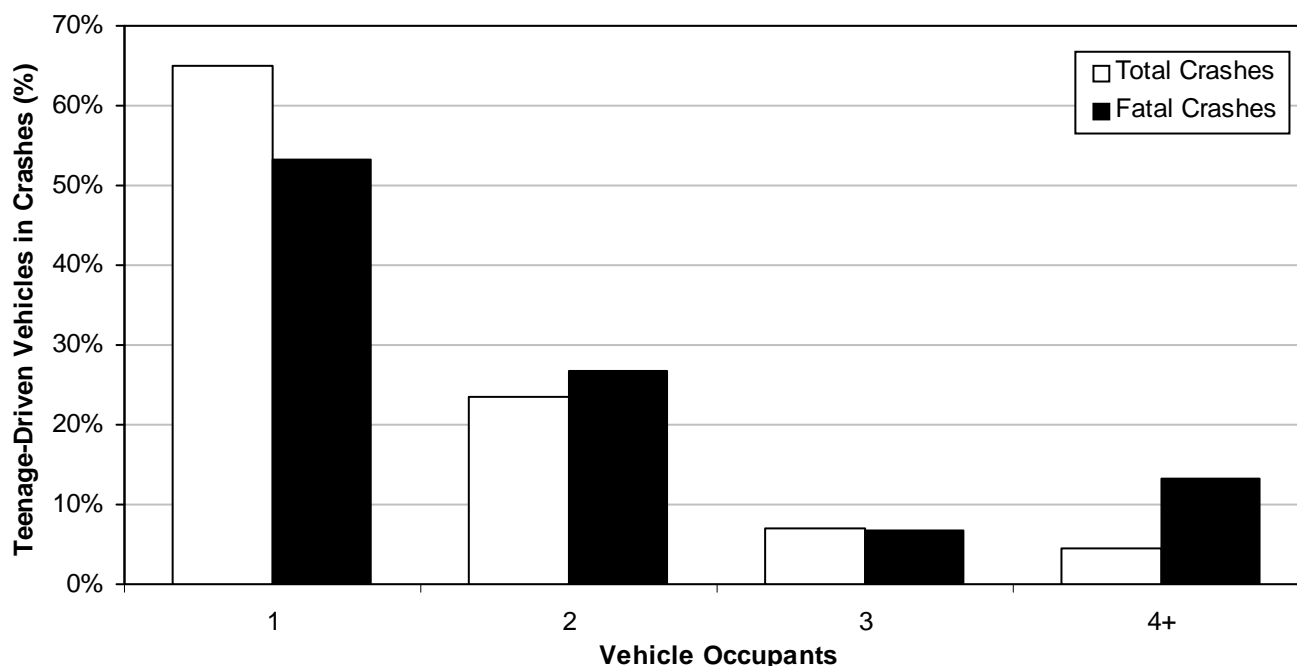
Seatbelt Use of Teen Drivers and Their Passengers (Utah 2006)

Persons (Teen Driver and Passengers)								
Seatbelt Use	Non-Injured		Injured		Killed		Total Persons	
	#	%	#	%	#	%	#	%
Belted	12,791	96.0%	7,057	91.6%	13	43.3%	19,861	94.3%
Unbelted	533	4.0%	644	8.4%	17	56.7%	1,194	5.7%
Total	13,324	100.0%	7,701	100.0%	30	100.0%	21,055	100.0%

- Overall, most teen drivers and their passengers reported wearing a seatbelt (94.3%).
- Only 43.3% of occupants killed in teenage driven vehicles were wearing a seatbelt.
- In fact, teen drivers and their passengers that were unbelted were 22 times more likely than belted occupants to be killed in a crash.

Number of Occupants in Teenage Driven Vehicles (Utah 2006)

Teenage Driven Vehicles								
Number of Occupants	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
1	7,116	68.0%	3,242	59.5%	24	53.3%	10,382	65.0%
2	2,329	22.2%	1,425	26.1%	12	26.7%	3,766	23.6%
3	643	6.1%	469	8.6%	3	6.7%	1,115	7.0%
4 or more	382	3.6%	315	5.8%	6	13.3%	703	4.4%
Total	10,470	100.0%	5,451	100.0%	45	100.0%	15,966	100.0%



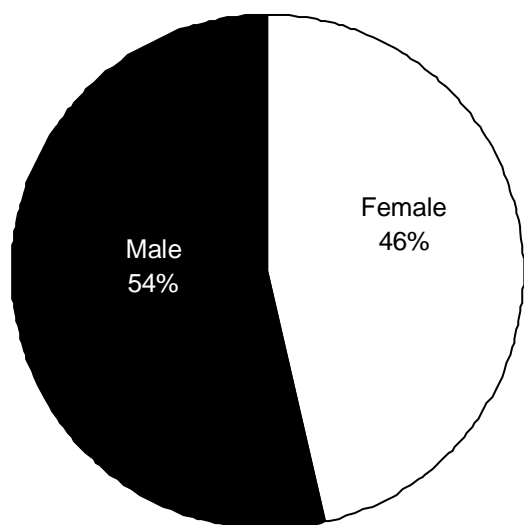
- Approximately two-thirds of teenage driven vehicles (65.0%) in crashes contained only the teenage driver.
- Crashes where the teenage driven vehicle contained four or more occupants were 3.4 times more likely to be fatal than crashes involving teenage driven vehicles with fewer occupants.

Driver Characteristics

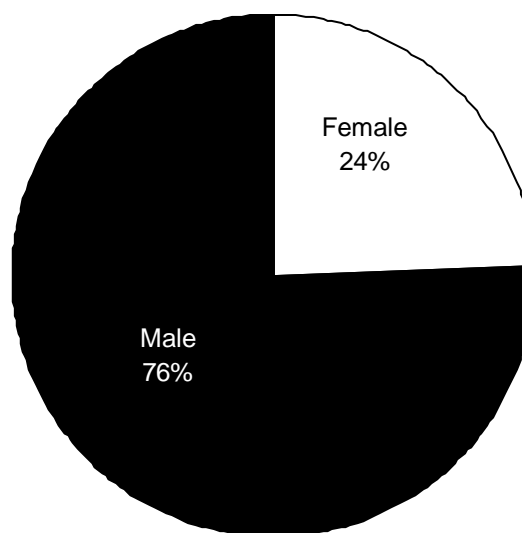
Gender of Teenage Drivers in Crashes (Utah 2006)

Teenage Drivers								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total Drivers	
Gender	#	%	#	%	#	%	#	%
Male	5,682	54.3%	2,802	51.4%	34	75.6%	8,518	53.4%
Female	4,735	45.2%	2,631	48.3%	11	24.4%	7,377	46.2%
Missing	53	0.5%	18	0.3%	0	0.0%	71	0.4%
Total	10,470	100.0%	5,451	100.0%	45	100.0%	15,966	100.0%

Gender of Teenage Drivers in Total Crashes (Utah 2006)



Gender of Teenage Drivers in Fatal Crashes (Utah 2006)



- The majority of teen drivers in all motor vehicle crashes (53.4%) and fatal crashes (75.6%) were male. Male teen drivers were 2.7 times more likely to be in a fatal crash than female teen drivers.

Alcohol and Other Drug Involvement of Teenage Drivers (Utah 2006)

Friends
Don't Let
Friends
Drive Drunk.

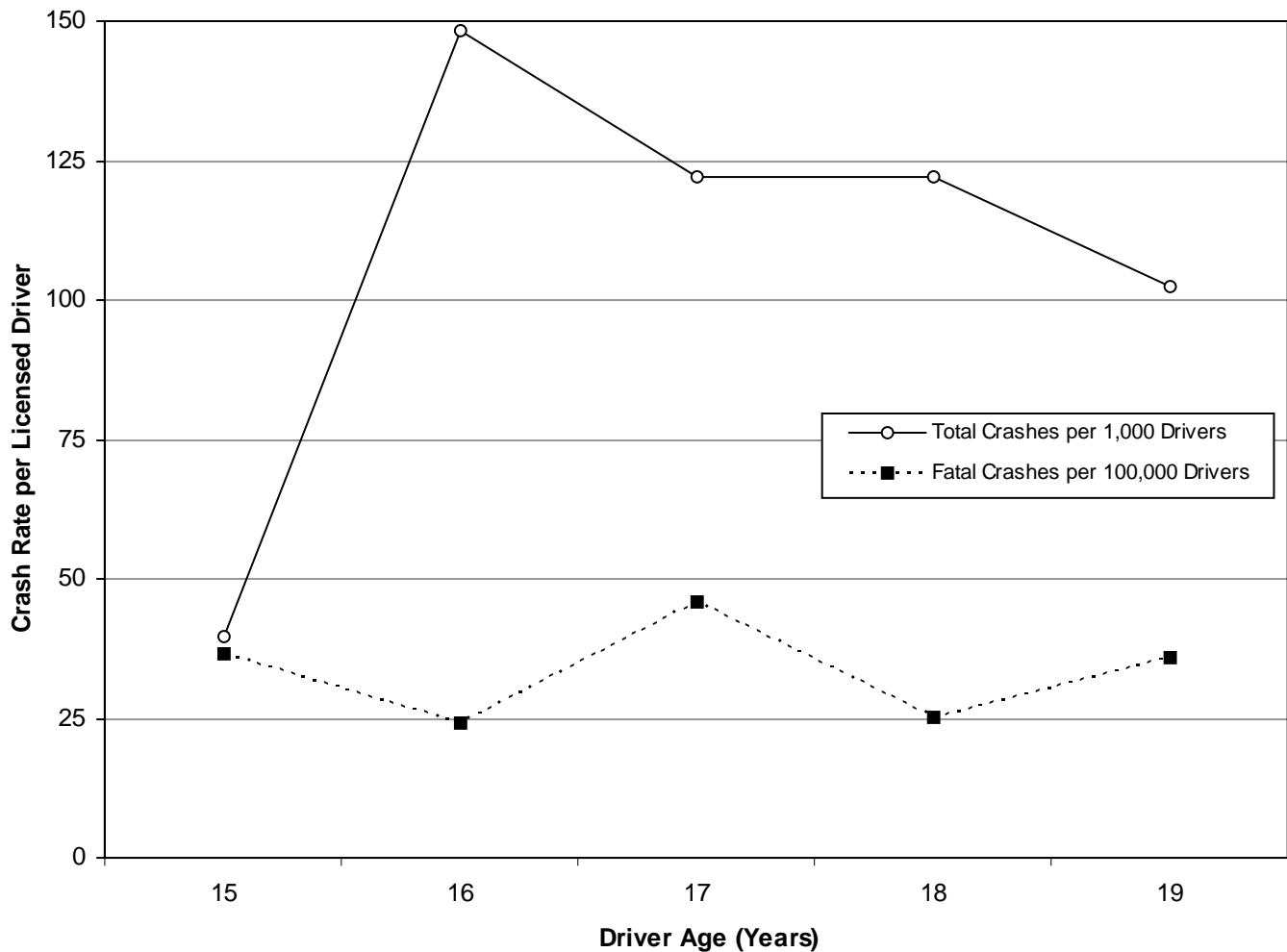
- Of the 45 teenage drivers in fatal crashes, two (4.4%) were impaired by alcohol or other drugs.

Driver Characteristics

Age of Teenage Drivers in Crashes (Utah 2006)

Teenage Drivers												
Age	PDO Crashes			Injury Crashes			Fatal Crashes			Total Drivers		
	#	%	Rate per 1,000 Drivers	#	%	Rate per 1,000 Drivers	#	%	Rate per 1,000 Drivers	#	%	Rate per 1,000 Drivers
15	137	1.3%	24.9	78	1.4%	14.2	2	4.4%	0.36	217	1.4%	39.5
16	2,448	23.4%	98.1	1,249	22.9%	50.0	6	13.3%	0.24	3,703	23.2%	148.3
17	2,670	25.5%	81.7	1,310	24.0%	40.1	15	33.3%	0.46	3,995	25.0%	122.2
18	2,846	27.2%	79.9	1,487	27.3%	41.8	9	20.0%	0.25	4,342	27.2%	121.9
19	2,369	22.6%	65.5	1,327	24.3%	36.7	13	28.9%	0.36	3,709	23.2%	102.5
Total	10,470	100.0%	77.6	5,451	100.0%	40.4	45	100.0%	0.33	15,966	100.0%	118.3

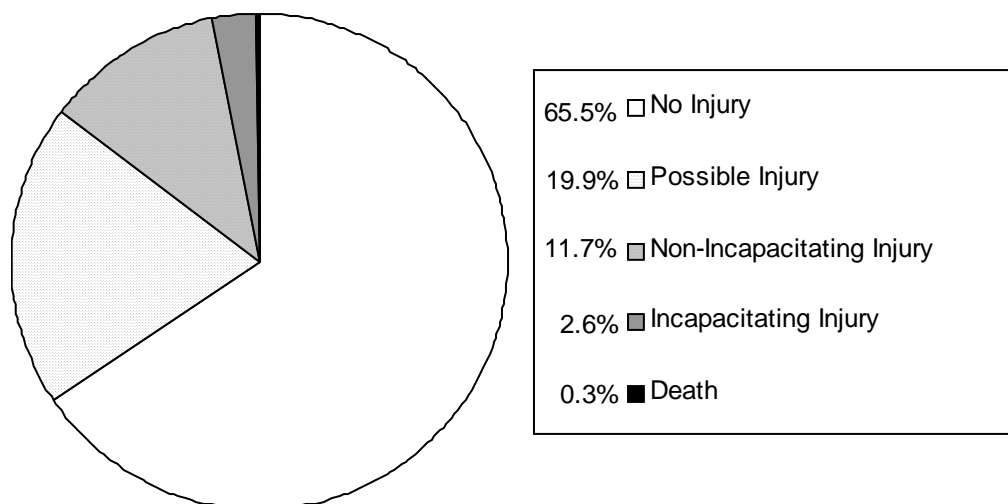
Rate of Licensed Drivers in Teenage Driver Crashes by Age (Utah 2006)



- Drivers aged 16 years had the highest total crash rate per licensed driver (148.3).
- Drivers aged 17 years had the highest fatal crash rate per licensed driver (0.46).

Crash Characteristics

Teenage Driver Crash Severity (Utah 2006)



- Similar to all motor vehicle crashes, over one-third (34.2%) of teenage driver crashes resulted in some level of non-fatal injury.
- The percentage of fatal teenage driver crashes (0.3%) was similar to all fatal motor vehicle crashes (0.4%).

Teenage Driver Crashes by Month of Year (Utah 2006)

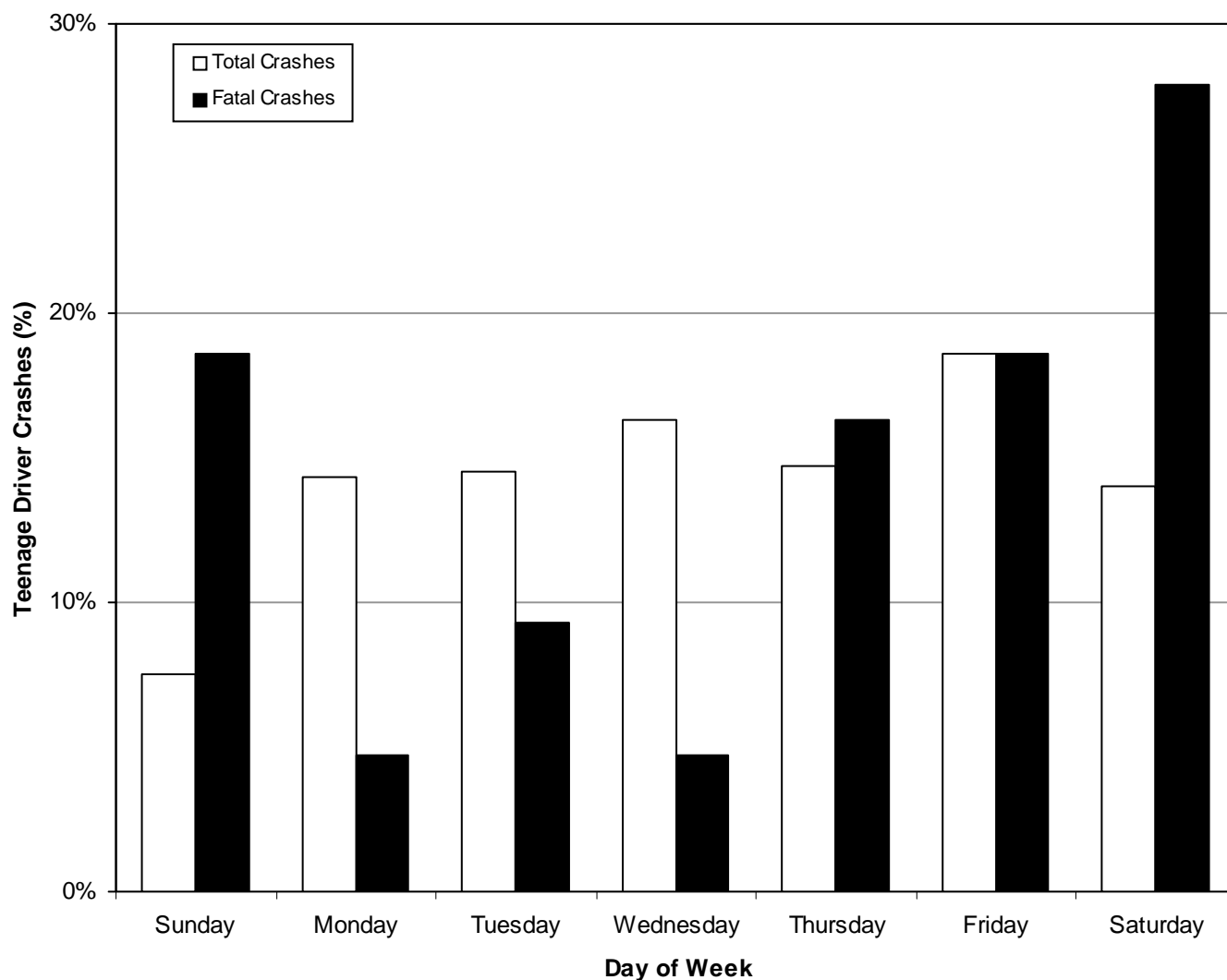
Teenage Driver Crashes									
		Property Damage Only		Injury		Fatal		Total	
	Days in Month		Rate		Rate		Rate		Rate
Month	#	#	per Day	#	per Day	#	per Day	#	per Day
January	31	908	29.3	436	14.1	3	0.10	1,347	43.5
February	28	857	30.6	356	12.7	4	0.14	1,217	43.5
March	31	750	24.2	375	12.1	2	0.06	1,127	36.4
April	30	692	23.1	360	12.0	1	0.03	1,053	35.1
May	31	740	23.9	472	15.2	2	0.06	1,214	39.2
June	30	703	23.4	421	14.0	4	0.13	1,128	37.6
July	31	664	21.4	346	11.2	6	0.19	1,016	32.8
August	31	727	23.5	476	15.4	8	0.26	1,211	39.1
September	30	782	26.1	426	14.2	6	0.20	1,214	40.5
October	31	833	26.9	456	14.7	4	0.13	1,293	41.7
November	30	866	28.9	410	13.7	2	0.07	1,278	42.6
December	31	905	29.2	394	12.7	1	0.03	1,300	41.9
Total	365	9,427	25.8	4,928	13.5	43	0.12	14,398	39.4

- Overall, February (43.5), January (43.5), and November (42.6) had the highest rates per day for teenage driver crashes.
- The highest rates per day of fatal teenage driver crashes occurred in August (0.26) and September (0.20).

Crash Characteristics

Teenage Driver Crashes by Day of Week (Utah 2006)

Teenage Driver Crashes								
Day of Week	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Sunday	672	7.1%	401	8.1%	8	18.6%	1,081	7.5%
Monday	1,344	14.3%	719	14.6%	2	4.7%	2,065	14.3%
Tuesday	1,368	14.5%	715	14.5%	4	9.3%	2,087	14.5%
Wednesday	1,591	16.9%	760	15.4%	2	4.7%	2,353	16.3%
Thursday	1,411	15.0%	696	14.1%	7	16.3%	2,114	14.7%
Friday	1,772	18.8%	897	18.2%	8	18.6%	2,677	18.6%
Saturday	1,269	13.5%	740	15.0%	12	27.9%	2,021	14.0%
Total	9,427	100.0%	4,928	100.0%	43	100.0%	14,398	100.0%

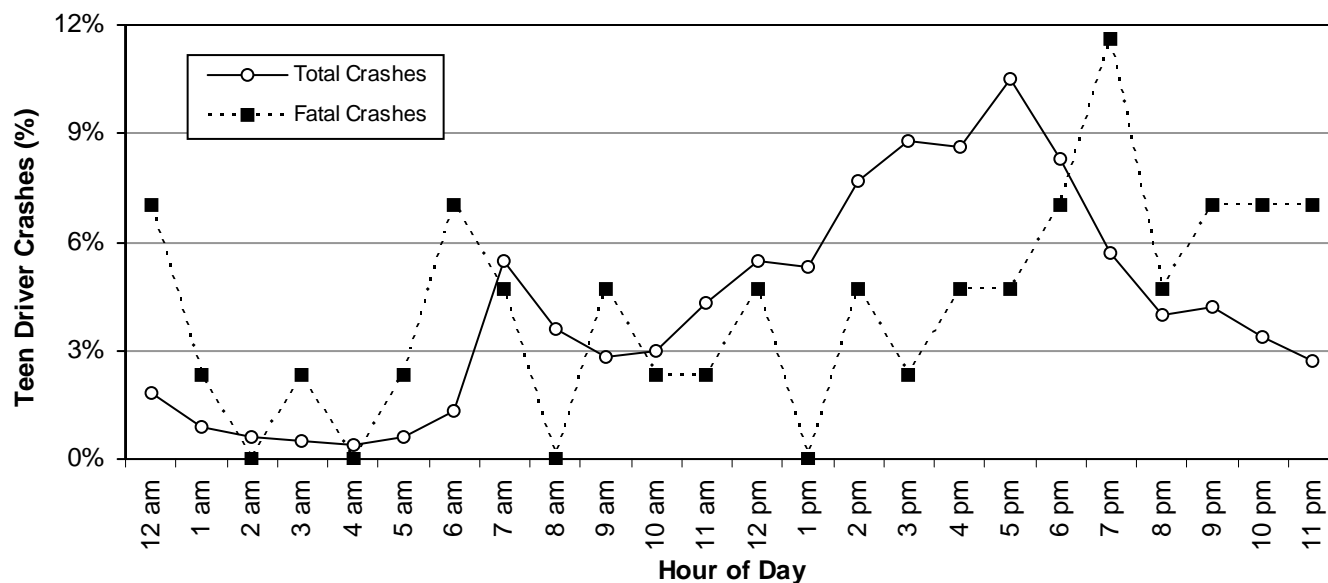


- Overall, the highest percentage of teenage driver crashes occurred on Friday (18.6%).
- The highest percentage of fatal teenage driver crashes occurred on Saturday (27.9%).
- In fact, teenage driver crashes that occurred on Saturday were 2.4 times more likely to be fatal than on other days of the week.

Crash Characteristics

Teenage Driver Crashes by Hour of Day (Utah 2006)

Teenage Driver Crashes								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
Hour	#	%	#	%	#	%	#	%
Midnight	169	1.8%	93	1.9%	3	7.0%	265	1.8%
1 a.m.	73	0.8%	55	1.1%	1	2.3%	129	0.9%
2 a.m.	50	0.5%	39	0.8%	0	0.0%	89	0.6%
3 a.m.	40	0.4%	29	0.6%	1	2.3%	70	0.5%
4 a.m.	30	0.3%	22	0.4%	0	0.0%	52	0.4%
5 a.m.	52	0.6%	35	0.7%	1	2.3%	88	0.6%
6 a.m.	120	1.3%	60	1.2%	3	7.0%	183	1.3%
7 a.m.	557	5.9%	226	4.6%	2	4.7%	785	5.5%
8 a.m.	355	3.8%	167	3.4%	0	0.0%	522	3.6%
9 a.m.	286	3.0%	122	2.5%	2	4.7%	410	2.8%
10 a.m.	248	2.6%	176	3.6%	1	2.3%	425	3.0%
11 a.m.	422	4.5%	196	4.0%	1	2.3%	619	4.3%
Noon	540	5.7%	247	5.0%	2	4.7%	789	5.5%
1 p.m.	518	5.5%	248	5.0%	0	0.0%	766	5.3%
2 p.m.	743	7.9%	369	7.5%	2	4.7%	1,114	7.7%
3 p.m.	834	8.8%	439	8.9%	1	2.3%	1,274	8.8%
4 p.m.	815	8.6%	418	8.5%	2	4.7%	1,235	8.6%
5 p.m.	976	10.4%	531	10.8%	2	4.7%	1,509	10.5%
6 p.m.	798	8.5%	400	8.1%	3	7.0%	1,201	8.3%
7 p.m.	515	5.5%	298	6.0%	5	11.6%	818	5.7%
8 p.m.	352	3.7%	219	4.4%	2	4.7%	573	4.0%
9 p.m.	377	4.0%	223	4.5%	3	7.0%	603	4.2%
10 p.m.	307	3.3%	186	3.8%	3	7.0%	496	3.4%
11 p.m.	250	2.7%	130	2.6%	3	7.0%	383	2.7%
Total	9,427	100.0%	4,928	100.0%	43	100.0%	14,398	100.0%



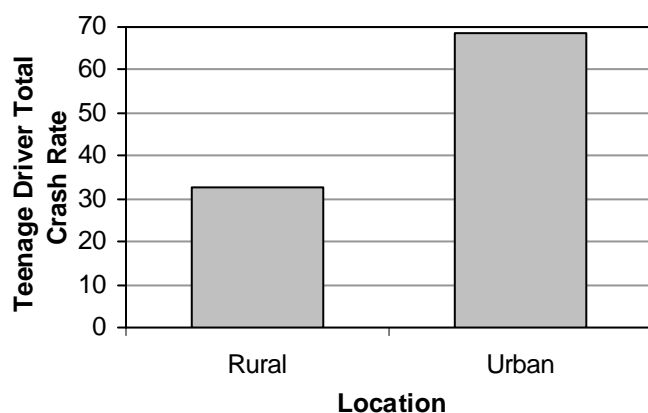
- Teenage driver total crashes were highest from 2:00 p.m. to 6:00 p.m. (after-school hours).
- Fatal teenage driver crashes varied throughout the day and peaked during the 7:00 p.m. hour.

Crash Characteristics

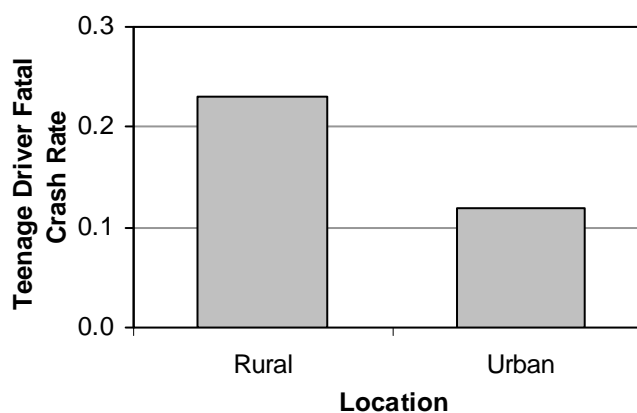
Urban/Rural Location of Teenage Driver Crashes (Utah 2006)

Teenage Driver Crashes								
Location	PDO		Injury		Fatal		Total	
	#	Rate per	#	Rate per	#	Rate per	#	Rate per
		100 Million		100 Million		100 Million		100 Million
		VMT		VMT		VMT		VMT
Urban	7,278	44.9	3,846	23.7	20	0.12	11,144	68.7
Rural	2,149	21.6	1,082	10.9	23	0.23	3,254	32.7
Total	9,427	36.0	4,928	18.8	43	0.16	14,398	55.0

Teenage Driver Urban/Rural Total Crash Rates (Utah 2006)



Teenage Driver Urban/Rural Fatal Crash Rates (Utah 2006)



- While urban areas had a higher rate of total teenage driver crashes per vehicle mile traveled, rural areas had a higher rate of fatal teenage driver crashes per vehicle mile traveled.
- In fact, teenage driver crashes occurring in rural areas were four times more likely to result in a death than teenage driver crashes in urban areas.

Teenage Driver Vehicle Type (Utah 2006)

Teenage Driver Vehicles								
Vehicle Type	PDO Crashes		Injury Crashes		Fatal Crashes		Total Vehicles	
	#	%	#	%	#	%	#	%
Passenger Car	7,064	67.5%	3,730	68.4%	24	53.3%	10,818	67.8%
Pickup Truck	1,493	14.3%	668	12.3%	6	13.3%	2,167	13.6%
SUV	1,423	13.6%	681	12.5%	10	22.2%	2,114	13.2%
Van	314	3.0%	161	3.0%	1	2.2%	476	3.0%
Motorcycle	13	0.1%	102	1.9%	4	8.9%	119	0.7%
Semi/Large Truck	56	0.5%	31	0.6%	0	0.0%	87	0.5%
Bus	1	0.0%	0	0.0%	0	0.0%	1	0.0%
Other	10	0.1%	29	0.5%	0	0.0%	39	0.2%
Unknown	96	0.9%	49	0.9%	0	0.0%	145	0.9%
Total	10,470	100.0%	5,451	100.0%	45	100.0%	15,966	100.0%

- For total teen driver crashes, passenger car (67.8%) and pickup truck (13.6%) were the leading vehicle types.
- For fatal teenage driver crashes, passenger car (53.3%) and SUV (22.2%) were the leading vehicle types.

Crash Characteristics

First Harmful Event of Teenage Driver Crashes (Utah 2006)

Teenage Driver Crashes								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
First Harmful Event	#	%	#	%	#	%	#	%
Collision with Another Motor Vehicle	5,924	62.8%	3,137	63.7%	21	48.8%	9,082	63.1%
Collision with Concrete/Cable Barrier	149	1.6%	61	1.2%	1	2.3%	211	1.5%
Overturn/Rollover	60	0.6%	136	2.8%	13	30.2%	209	1.5%
Collision with Other Non-fixed Object	145	1.5%	63	1.3%	0	0.0%	208	1.4%
Collision with Other Fixed Object	145	1.5%	57	1.2%	0	0.0%	202	1.4%
Collision with Post, Pole, or Support	139	1.5%	58	1.2%	2	4.7%	199	1.4%
Collision with Animal	147	1.6%	19	0.4%	0	0.0%	166	1.2%
Collision with Parked Vehicle	123	1.3%	27	0.5%	0	0.0%	150	1.0%
Collision with Fence	71	0.8%	23	0.5%	1	2.3%	95	0.7%
Collision with Tree/Shrubbery	49	0.5%	32	0.6%	0	0.0%	81	0.6%
Other Non-collision	35	0.4%	30	0.6%	0	0.0%	65	0.5%
Collision with Ditch	33	0.4%	28	0.6%	0	0.0%	61	0.4%
Collision with Embankment	30	0.3%	28	0.6%	0	0.0%	58	0.4%
Collision with Pedestrian	7	0.1%	45	0.9%	3	7.0%	55	0.4%
Collision with Mailbox/Fire Hydrant	37	0.4%	14	0.3%	0	0.0%	51	0.4%
Collision with Bicyclist	5	0.1%	41	0.8%	1	2.3%	47	0.3%
Collision with Guardrail	19	0.2%	10	0.2%	0	0.0%	29	0.2%
Fire/Explosion	17	0.2%	1	0.0%	0	0.0%	18	0.1%
Fell/Jumped from Vehicle	3	0.0%	12	0.2%	0	0.0%	15	0.1%
Cargo/Equipment Loss or Shift	10	0.1%	0	0.0%	0	0.0%	10	0.1%
Collision with Crash Cushion	1	0.0%	8	0.2%	1	2.3%	10	0.1%
Collision with Culvert	5	0.1%	5	0.1%	0	0.0%	10	0.1%
Collision with Thrown or Fallen Object	10	0.1%	0	0.0%	0	0.0%	10	0.1%
Immersion	7	0.1%	2	0.0%	0	0.0%	9	0.1%
Collision with Bridge	4	0.0%	4	0.1%	0	0.0%	8	0.1%
Jackknife	7	0.1%	0	0.0%	0	0.0%	7	0.0%
Collision with Train	4	0.0%	2	0.0%	0	0.0%	6	0.0%
Collision with Work Zone/Equipment	3	0.0%	0	0.0%	0	0.0%	3	0.0%
Unknown	2,238	23.7%	1,085	22.0%	0	0.0%	3,323	23.1%
Total	9,427	100.0%	4,928	100.0%	43	100.0%	14,398	100.0%

- For all teenage driver crashes, the leading first harmful event was collision with another motor vehicle. See next page for descriptions of different collision types.
- For total crashes, collision with concrete/cable barrier (1.5%), overturn/rollover (1.5%), and collision with other non-fixed object (1.4%) were the next highest first harmful events.
- For fatal crashes, overturn/rollover (30.2%) and collision with pedestrian (7.0%) were the next highest first harmful events.
- Compared to drivers of all ages, teenage drivers were more likely to have a collision with another motor vehicle (63.1% to 54.0%).
- Overturn/rollover was 31 times more likely to result in a death than other first harmful events involving teenage drivers.

Crash Characteristics

Collision Description of Teenage Driver Crashes (Utah 2006)

Teenage Driver Crashes (Two or More Motor Vehicles)								
Collision Description	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Rear End	2,964	38.6%	1,405	35.8%	3	14.3%	4,372	37.6%
Broadside	2,421	31.5%	1,533	39.1%	9	42.9%	3,963	34.1%
Sideswipe	1,123	14.6%	294	7.5%	2	9.5%	1,419	12.2%
Head On	677	8.8%	556	14.2%	7	33.3%	1,240	10.7%
Parked Vehicle	405	5.3%	115	2.9%	0	0.0%	520	4.5%
Backing Vehicle	86	1.1%	22	0.6%	0	0.0%	108	0.9%
Total	7,676	100.0%	3,925	100.0%	21	100.0%	11,622	100.0%

- Overall, most teenage driver crashes were rear end (37.6%) and broadside (34.1%) collisions.
- For fatal teenage driver crashes, broadside (42.9%) and head on (33.3%) were the leading collision types.

Teenage Driver Vehicle Maneuver Prior to Crash (Utah 2006)

Teenage Driver Vehicles								
Vehicle Maneuver	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Straight Ahead	5,591	53.4%	3,213	58.9%	35	77.8%	8,839	55.4%
Turning Left	1,327	12.7%	854	15.7%	3	6.7%	2,184	13.7%
Slowing in Traffic Lane	819	7.8%	369	6.8%	0	0.0%	1,188	7.4%
Stopped in Traffic Lane	697	6.7%	390	7.2%	0	0.0%	1,087	6.8%
Turning Right	471	4.5%	135	2.5%	0	0.0%	606	3.8%
Changing Lanes	482	4.6%	102	1.9%	3	6.7%	587	3.7%
Overtaking/Passing	239	2.3%	155	2.8%	2	4.4%	396	2.5%
Making U-turn	187	1.8%	69	1.3%	1	2.2%	257	1.6%
Backing	220	2.1%	17	0.3%	0	0.0%	237	1.5%
Entering Traffic Lane	133	1.3%	56	1.0%	0	0.0%	189	1.2%
Leaving Traffic Lane	36	0.3%	13	0.2%	0	0.0%	49	0.3%
Parked	35	0.3%	6	0.1%	0	0.0%	41	0.3%
Parking Maneuvers	22	0.2%	4	0.1%	0	0.0%	26	0.2%
Other	75	0.7%	32	0.6%	1	2.2%	108	0.7%
Unknown	136	1.3%	36	0.7%	0	0.0%	172	1.1%
Total	10,470	100.0%	5,451	100.0%	45	100.0%	15,966	100.0%

- For total crashes, straight ahead (55.4%), turning left (13.7%), and slowing in traffic lane (7.4%) were the leading vehicle maneuvers prior to the crash.
- For fatal crashes, straight ahead (77.8%), turning left (3.3%), and changing lanes (3.3%) were the leading vehicle maneuvers prior to the crash.

Crash Characteristics

Speed Limit of Teenage Driver Crashes (Utah 2006)

Teenage Driver Vehicles								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
Speed Limit	#	%	#	%	#	%	#	%
5-15 MPH	55	0.5%	20	0.4%	0	0.0%	75	0.5%
20-25 MPH	1,745	16.7%	676	12.4%	1	2.2%	2,422	15.2%
30-35 MPH	2,606	24.9%	1,425	26.1%	8	17.8%	4,039	25.3%
40-45 MPH	2,379	22.7%	1,489	27.3%	5	11.1%	3,873	24.3%
50-55 MPH	640	6.1%	474	8.7%	9	20.0%	1,123	7.0%
60-65 MPH	1,223	11.7%	512	9.4%	19	42.2%	1,754	11.0%
70-75 MPH	179	1.7%	88	1.6%	3	6.7%	270	1.7%
Unknown	1,643	15.7%	767	14.1%	0	0.0%	2,410	15.1%
Total	10,470	100.0%	5,451	100.0%	45	100.0%	15,966	100.0%

- Over half (58.4% where speed limit was known) of total teenage driver crashes occurred where the speed limit was 30-45 MPH.
- Fatal teenage driver crashes were more likely to occur where there were higher speed limits. Over two-thirds (68.9%) of fatal teenage driver crashes occurred where the speed limit was 50 MPH or higher.
- Teenage driver crashes where the speed limit was 50 MPH or higher were 7.4 times more likely to be fatal.

Travel Speed of Teenage Driver Vehicles in Crashes (Utah 2006)

Teenage Driver Vehicles								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total Vehicles	
Travel Speed	#	%	#	%	#	%	#	%
Stopped Vehicle	932	8.9%	461	8.5%	0	0.0%	1,393	8.7%
1-9 MPH	943	9.0%	404	7.4%	2	4.4%	1,349	8.4%
10-19 MPH	1,521	14.5%	665	12.2%	1	2.2%	2,187	13.7%
20-29 MPH	1,353	12.9%	588	10.8%	1	2.2%	1,942	12.2%
30-39 MPH	1,405	13.4%	796	14.6%	2	4.4%	2,203	13.8%
40-49 MPH	847	8.1%	585	10.7%	3	6.7%	1,435	9.0%
50-59 MPH	440	4.2%	287	5.3%	7	15.6%	734	4.6%
60-69 MPH	558	5.3%	298	5.5%	11	24.4%	867	5.4%
70-79 MPH	238	2.3%	133	2.4%	9	20.0%	380	2.4%
80-89 MPH	33	0.3%	44	0.8%	4	8.9%	81	0.5%
90+ MPH	7	0.1%	14	0.3%	1	2.2%	22	0.1%
Unknown	2,193	20.9%	1,176	21.6%	4	8.9%	3,373	21.1%
Total	10,470	100.0%	5,451	100.0%	45	100.0%	15,966	100.0%

- Half (50.3% where travel speed was known) of teenage driver vehicles in total crashes were traveling 10-39 MPH.
- Teenage driver vehicles in fatal crashes were more likely to be traveling at higher speeds. Over three-fourths (78.0% where travel speed was known) of teenage driver vehicles in fatal crashes were traveling 50 MPH or higher.
- Compared to drivers of all ages, crashes involving teenage drivers were more likely to occur at lower speeds.
- Crashes involving teenage driver vehicles traveling 50 MPH or higher were 18 times more likely to be fatal.

Crash Characteristics

Teenage Driver Crash Violations (Utah 2006)

Violations	Teenage Drivers							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Following Too Close	406	16.8%	169	13.3%	0	0.0%	575	15.6%
Improper Lane Change/Travel	358	14.8%	175	13.8%	0	0.0%	533	14.4%
Speed	166	6.9%	54	4.3%	0	0.0%	220	6.0%
Improper Lookout	136	5.6%	77	6.1%	0	0.0%	213	5.8%
Negligent Collision	118	4.9%	47	3.7%	0	0.0%	165	4.5%
Improper Turn	84	3.5%	64	5.1%	0	0.0%	148	4.0%
Failure to Yield Right of Way	42	1.7%	59	4.7%	2	25.0%	103	2.8%
License Violation	66	2.7%	34	2.7%	0	0.0%	100	2.7%
Insurance Violation	63	2.6%	35	2.8%	0	0.0%	98	2.7%
Failure to Stop at Red Light	31	1.3%	32	2.5%	0	0.0%	63	1.7%
Hit and Run	40	1.7%	13	1.0%	0	0.0%	53	1.4%
Driving Under the Influence	22	0.9%	28	2.2%	2	25.0%	52	1.4%
Failure to Stop at Stop Sign	19	0.8%	25	2.0%	0	0.0%	44	1.2%
Improper Start or Stop	35	1.4%	6	0.5%	0	0.0%	41	1.1%
Reckless Driving	18	0.7%	18	1.4%	0	0.0%	36	1.0%
Wrong Side of Road	14	0.6%	10	0.8%	0	0.0%	24	0.6%
Equipment Violation	17	0.7%	5	0.4%	0	0.0%	22	0.6%
Improper Passing	12	0.5%	7	0.6%	0	0.0%	19	0.5%
Improper Backing	14	0.6%	1	0.1%	0	0.0%	15	0.4%
Alcohol/Drug Violation, Other than DUI	7	0.3%	6	0.5%	0	0.0%	13	0.4%
Seatbelt/Child Restraint	5	0.2%	7	0.6%	0	0.0%	12	0.3%
Registration Violation	5	0.2%	6	0.5%	0	0.0%	11	0.3%
Failure to Obey Traffic Control Device	2	0.1%	2	0.2%	0	0.0%	4	0.1%
Vehicle Homicide	0	0.0%	0	0.0%	4	50.0%	4	0.1%
Other Moving Violation	201	8.3%	123	9.7%	0	0.0%	324	8.8%
Other Non-Moving Violation	540	22.3%	263	20.8%	0	0.0%	803	21.7%
Total	2,421	100.0%	1,266	100.0%	8	100.0%	3,695	100.0%

- In 2006, there were 3,695 citations issued to teenage drivers at the scene of the crash. The most common violations were for following too close (15.6%), improper lane change/travel (14.4%), and speed (6.0%).
- The leading violations in fatal teenage driver crashes were for vehicle homicide (50.0%), driving under the influence (25.0%), and failure to yield right of way (25.0%).

Crash Characteristics

Contributing Factors of Teenage Driver Crashes (Utah 2006)

Teenage Drivers/Vehicles								
Contributing Factors	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Failed to Yield Right of Way	1,314	13.9%	854	15.9%	3	6.4%	2,171	14.6%
Followed Too Closely	1,396	14.8%	598	11.2%	0	0.0%	1,994	13.4%
Speed Too Fast	1,018	10.8%	484	9.0%	9	19.1%	1,511	10.2%
Driver Distraction	869	9.2%	595	11.1%	4	8.5%	1,468	9.9%
Other Improper Driving	582	6.2%	336	6.3%	1	2.1%	919	6.2%
Defective Condition of Vehicle	430	4.6%	224	4.2%	0	0.0%	654	4.4%
Vision Obscured by Weather Condition	437	4.6%	177	3.3%	1	2.1%	615	4.1%
Failed to Keep in Proper Lane	305	3.2%	200	3.7%	2	4.3%	507	3.4%
Swerved or Evasive Action	319	3.4%	161	3.0%	0	0.0%	480	3.2%
Improper Turn	334	3.5%	130	2.4%	1	2.1%	465	3.1%
Ran Off Road	246	2.6%	191	3.6%	0	0.0%	437	2.9%
Disregard Traffic Signal/Sign	179	1.9%	224	4.2%	0	0.0%	403	2.7%
Overcorrected	210	2.2%	167	3.1%	0	0.0%	377	2.5%
Improper Lane Change	294	3.1%	58	1.1%	1	2.1%	353	2.4%
Asleep/Fatigue	139	1.5%	143	2.7%	1	2.1%	283	1.9%
Vision Obscured by Moving Vehicle	158	1.7%	107	2.0%	1	2.1%	266	1.8%
Driver Emotionally Upset	124	1.3%	91	1.7%	0	0.0%	215	1.4%
Driving Under the Influence	90	1.0%	97	1.8%	2	4.3%	189	1.3%
Improper Backing	152	1.6%	14	0.3%	0	0.0%	166	1.1%
Reckless/Aggressive Driving	81	0.9%	67	1.3%	17	36.2%	165	1.1%
Other Driver Condition	93	1.0%	67	1.3%	0	0.0%	160	1.1%
Hit and Run	114	1.2%	43	0.8%	0	0.0%	157	1.1%
Improper Passing	103	1.1%	43	0.8%	3	6.4%	149	1.0%
Vision Obscured by Parked Vehicle	82	0.9%	54	1.0%	0	0.0%	136	0.9%
Improper Parking/Stopping	83	0.9%	46	0.9%	0	0.0%	129	0.9%
Vision Obscured by Other	74	0.8%	44	0.8%	0	0.0%	118	0.8%
Vision Obscured by Glare	54	0.6%	42	0.8%	0	0.0%	96	0.6%
Windshield or Other Window Obscured	34	0.4%	17	0.3%	0	0.0%	51	0.3%
Wrong Side/Wrong Way	23	0.2%	22	0.4%	1	2.1%	46	0.3%
Disregard Road Markings	24	0.3%	19	0.4%	0	0.0%	43	0.3%
Improper Signal	29	0.3%	7	0.1%	0	0.0%	36	0.2%
Vision Obscured by Building, Sign, etc.	18	0.2%	9	0.2%	0	0.0%	27	0.2%
Vision Obscured by Vegetation	10	0.1%	17	0.3%	0	0.0%	27	0.2%
Illness	8	0.1%	9	0.2%	0	0.0%	17	0.1%
Total	9,426	100.0%	5,357	100.0%	47	100.0%	14,830	100.0%

- Some form of poor driver performance is present in the majority of crashes. The leading contributing factors for all teenage driver crashes were failed to yield right of way (14.6%), followed too closely (13.4%), and speed too fast (10.2%).
- The leading contributing factors in fatal teenage driver crashes were reckless/aggressive driving (36.2%) and speed too fast (19.1%).
- Compared to drivers of all ages, teenage drivers were more likely to have a contributing factor of failure to yield right of way and driver distraction.